

Product datasheet for **RG218570**

ARRDC5 (NM_001080523) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ARRDC5
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218570 representing NM_001080523
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGACAGAGAGGAATGTCTCTACCCCCAACCCCCATGTCTGTGGTGAAGTCGATCGAATTAG
TGCTGCGCGAGGATAGAATCTACCTGGCTGGCTCCAGCATAAAGGGCAGGTGATCTTAACCCTGAACAG
CACCCTGGTGGACCCCATAGTGAAGGTGGAGCTCGTGGGAAGGGGTTACGTCGAATGGAGTGAAGAAGCC
GGGGCATCCTGTGATTATAGCAGAAATGTTATTGCAACAACAAGGCAGACTACGTGCATAAGACAAAGA
CATTCCCAGTGGAGGATAATTGGTTAAGTGCAGGCAGCCACACCTTTGACTTCCATTCAACTTACCTCC
CAGGCTTCCTTCTACCTTCACCAGCAAATTTGGCCATGTCTTCTATTTCTGACAAGCTTCCTGCATGGGC
AGGGAACACATTTTAGCCAAGAAGAGGATGTAATTATTGGTTCAAGGAACCTCCACCTTCCACAAAGAAA
CCCCATTCCAGAACCCTTGTTCTGTGGAGGCTGAGGAGAAAGTCTCCTACAAGTCTGCCGCCAGGGCAC
TGCTGTGTTGCAATCCAGATGGAAGGAACACCTTCACGCCAGGAGAGAAGTCTGCTTCCACAACAGAG
ATCAACAACCAGACCAGCAAATGCATCAAGACGGTCTGATTCGCCCTGTATGCCACATACAGTACGAGG
GCTTCACGCCCAGTGCAGAGCGCGGTCTCGGCTGGACAGCAGCGAGCTTCTGAGGCAGGAGGCCAACAC
CCCCGTGACCCGCTTCAACACCACCAAGGTTGTCAGCACCTTCAACCTGCCGTTGCTGCTGTCCGTGAGC
AGCAGCACGCAGGACGGTGAGATCATGCACACTCGCTACGAGCTGGTCACCACCGTGCACCTGCCCTGGT
CCCTGACCAGCCTCAAGGCCAAAGTTCCCATCATCATCACCAGCGCCTCAGTGGACTCTGCCATCTGCCA
GCTGTGAGGAGCGGAGTGTACCCGTGAACCCAGATCACCAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG218570 representing NM_001080523

Red=Cloning site Green=Tags(s)

MGDREECLSTPQPMSVVKSIELVLPEDRIYLAGSSIKQVILTLNSTLVDPIVKVELVGRGYVWSEEA
GASCDYSRNVICNNKADYVHKTKTFPVEDNWL SAGSHTFDFHFNLPRLPSTFTSKFGHVYFVQASCMG
REHILAKKRYLLVQGTSTFHKETPFQNP L FVEAEKVSYNCCRQGT VCLQIQMERNTFTPGKVVFTTE
INNQTSKCIKTVVFALYAHIQYEGFTPSAERRSRLDSSELLRQEANTPVTRFNTTKVVSTFNLPLLSVS
SSTQDGEIMHTRYELVTVHLPWSLTSLKAKVPIIITSASVDSAICQLSE DGVLPVNP D HQN

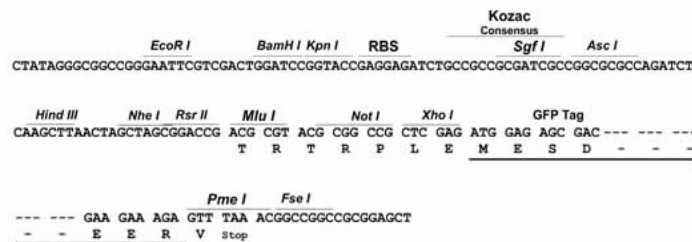
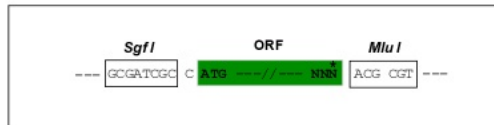
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_001080523

ORF Size:

1026 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080523.1](#), [NP_001073992.1](#)

RefSeq Size: 1638 bp

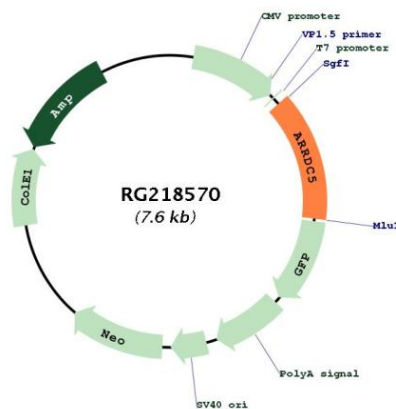
RefSeq ORF: 987 bp

Locus ID: 645432

UniProt ID: [A6NEK1](#)

Cytogenetics: 19p13.3

Product images:



Circular map for RG218570